

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : General NEMA Premium Efficiency Three-Phase
 Product code : 11996171

Frame : 213/5TC Output : 10 HP (7.5 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 9.90 A L. R. Amperes : 64.3 A LRC : 6.5x(Code H) No load current : 4.36 A Rated speed : 1765 rpm Slip : 1.94 % Rated torque : 4.11 kgfm Locked rotor torque : 210 % Breakdown torque : 290 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0504 kgm ² Design : B	Locked rotor time : 10s (cold) 6s (hot) Temperature rise : 105 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP21 Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 59.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 57.0 kg
---	---

Output 50% 75% 100% Efficiency (%) 90.2 91.0 91.7 Power Factor 0.64 0.76 0.83	Foundation loads Max. traction : 192 kgf Max. compression : 249 kgf
---	--

	<u>Drive end</u>	<u>Non drive end</u>
Bearing type :	6208 ZZ	6206 ZZ
Sealing :	Without Bearing Seal	Without Bearing Seal
Lubrication interval :	-	-
Lubricant amount :	-	-
Lubricant type :	Mobil Polyrex EM	

Notes:

This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load.	These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.
--	--

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date				
			Page 1 / 2	Revision

LOAD PERFORMANCE CURVE

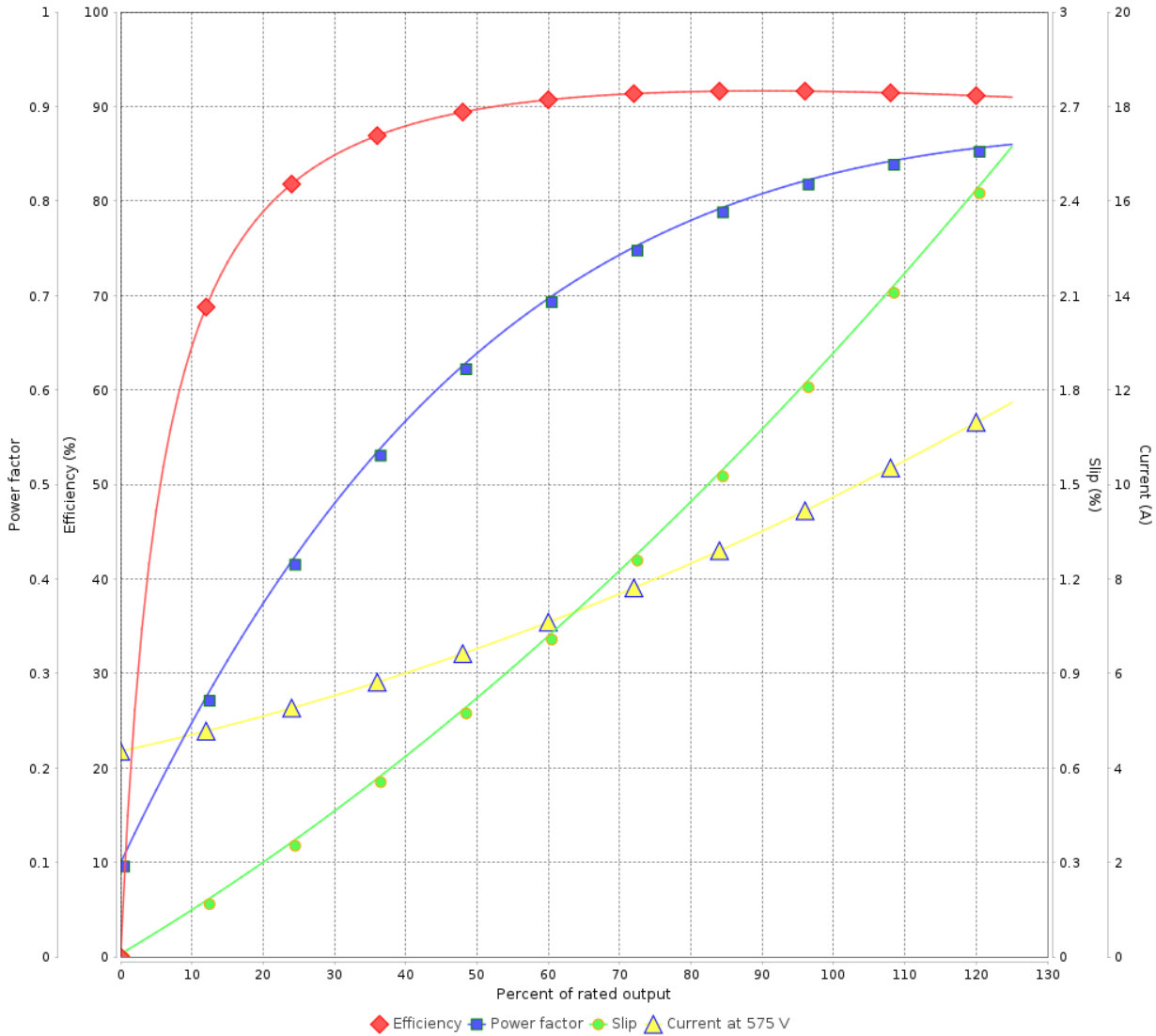
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : General NEMA Premium Efficiency Three-Phase Product code : 11996171

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 4P

Rated current	: 9.90 A	Moment of inertia (J)	: 0.0504 kgm ²
LRC	: 6.5	Duty cycle	: Cont.(S1)
Rated torque	: 4.11 kgfm	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.15
Breakdown torque	: 290 %	Temperature rise	: 105 K
Rated speed	: 1765 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	05/05/2024			